

Memorandum

Date : April 10, 2001
Telephone: (916) 653-1227
File:

To : William J. Keese
Michal C. Moore
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From : California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

**Subject: RIO LINDA/ELVERTA POWER PROJECT DATA ADEQUACY
RECOMMENDATION BASED UPON SUPPLEMENTAL FILING**

On March 26, 2001, the applicant, FPL Energy Sacramento Power, LLC filed a supplement to its Application for Certification (AFC). The applicant is seeking approval from the California Energy Commission to construct and operate the Rio Linda/Elverta Power Project (RLEPP) in the community of Rio Linda with a natural gas-fired combined cycle electric generation facility¹. Staff believes that the AFC meets the requirements of Cal. Code of Regs., tit. 20, § 1704, Appendix B, for the 12-month AFC. However, although we have received verbal confirmation from the Sacramento Metropolitan Air Quality Management District (SMAQMD) that the AFC meets its requirements, we are still awaiting a "Completeness Letter" from the district. Staff believes it will be issued prior to the 18 April Business Meeting; if it is, we will be able to recommend that the Energy Commission find the AFC data adequate.

Upon review of the original filing, staff identified data inadequacies in the following areas: Air Quality, Biological Resources, Cultural Resources, Geological Hazards, Noise, Paleontological Resources, Power Plant Reliability, Project Overview, Socioeconomics, Soil Resources, Traffic & Transportation, Transmission System Engineering, Visual Resources, and Water Resources. These areas are now data adequate. The attached data adequacy worksheets indicate where the information, which was missing in the initial filing, can be found in the supplement.

As proposed, the Rio Linda/Elverta Power Project is a nominal 560-megawatt (MW), natural gas-fired combined cycle power plant. The applicant's proposed location is on a 90-acre site approximately 7 miles east of the Sacramento International Airport.

Water for the proposed plant will be provided by Rio Linda/Elverta Community Water District (RLECWD) under a conditional will-serve letter. This will require new

¹ (The Commission previously approved the Sacramento Ethanol and Power Cogeneration Project (SEPCO) that was planned to be developed on this site.)

wells and new piping of water to the proposed site. The project will incorporate a zero liquid discharge system designed to eliminate off-site disposal of wastewater.

The transmission line loop from the site switchyard to the existing Western Area Power Administration (Western) Elverta-Hurley 230 kV lines is approximately 800 feet. The project will also require reconductoring and replacing transmission towers on a 3.4 mile section of the Hedge-Proctor transmission line in Southern Sacramento County.

Natural gas will be supplied to the project via a new pipeline of approximately 20.1 miles long. The connecting pipeline will be 16 to 20 inches in diameter, will be run westward to the community of Yolo, and will be owned and operated by the Pacific Gas & Electric Company (PG&E).

A new 24-foot wide paved road (plus 4-foot shoulders) extending from Sorento Road to the power plant site will be required. The length of the new road will be about 3,600 feet. The project is estimated to have a capital cost of between \$360 - 380 million. The applicant plans to complete construction and start operation of the combined-cycle unit in 2004.

Staff and Western are developing a Memorandum of Understanding (MOU) to conduct a joint California Environmental Quality Act/National Environmental Protection Act process. This process will be similar to the joint process conducted for the Blythe Energy Project.

If you have any questions, please call Lance Shaw, staff's Project Manager, at (916) 653-1227.

Steve Larson
Executive Director

Attachments

| TECHNICAL AREA | ATTACHMENT PAGE NO. |
|--|--------------------------------|
| AIR QUALITY | 4 |
| BIOLOGICAL RESOURCES | 8 |
| SOCIOECONOMICS | 12 |
| GEOLOGICAL HAZARDS..... | 16 |
| NOISE..... | 18 |
| PALEONTOLOGICAL RESOURCES..... | 22 |
| RELIABILITY..... | 26 |
| PROJECT OVERVIEW..... | 28 |
| SOILS | 32 |
| TRAFFIC AND TRANSPORTATION..... | 34 |
| TRANSMISSION SYSTEM ENGINEERING | 38 |
| VISUAL RESOURCES | 42 |
| WATER RESOURCES | 46 |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 10 Date ~~February 16, 2001~~ April 10, 2001

Technical Area: Air Quality
Project Manager: Lance Shaw

Project: Rio Linda/Elverta Power Project
Docket: 01-AFC-01

Technical Staff: Matt Layton
Technical Senior: Mike Ringer

| SITING REGULATIONS | INFORMATION | AFC PAGE NUMBER AND SECTION NUMBER | ADEQUATE YES OR NO | INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS |
|------------------------|---|--|--------------------------|---|
| Appendix B (g) (1) | ...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation. | § 5.2.2, p 5.2-11 to 5.2-23 § 5.2.4, p 5.2-33 to 5.2-66 § 5.2.4, p 5.2-33 to 5.2-66 Appendix K Feb. 2, 2001 ERC info (Confidential Cover) | Yes | |
| Appendix B (g) (8) (A) | The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance. | § 3.0, p. 3-1 to 3-83 § 5.2 Appendix K February 28, 2001 letter <u>Discussion with Dave Stein</u> | No <u>Yes</u> | A permit application was filed with the District Feb. 5, 2001. The February 28, 2001 letter from the District to the applicant declared the project incomplete. The March supplemental AFC filing from the applicant addressed the incomplete issues. We are awaiting a completeness letter from the District. |
| Appendix B (g) (8) (B) | The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility. | Table 3.4-8, p. 3-24 § 3.4.2, p. 3-5 § 3.5.2, p. 3-41 § 3.8, p. 3-65 § 5.2 Appendix K | Yes | |
| Appendix B (g) (8) (C) | A description of the control technologies proposed to limit the emission of criteria pollutants. | § 3.4.9, p 3-33 to 3-36 § 5.2 Appendix K | Yes | |
| Appendix B (g) (8) (D) | A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids. | § 3.4.3.4, p. 3-20 § 3.4.7.1, p. 3-31 Table 5.2-25, p. 5.2.40 Appendix K-4 | Yes | |
| Appendix B (g) (8) (E) | The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources. | § 5.2 Appendix K-4 | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☒

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| Appendix B (g) (8) (F) | A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode. | § 3.8, p. 3-65 § 5.2.4.2. p. 5.2-34 to 5.2-41 Appendix K-4 | Yes | |
| Appendix B (g) (8) (G) | The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary. | § 5.2.2.2, p. 5.2-19 to 5.2-23 Appendix K-2 | Yes | |
| Appendix B (g) (8) (H) | One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district. | § 5.2.4.3, p. 5.2-41 to 5.2-48 Appendix K-2 | Yes | |
| Appendix B (g) (8) (H) (i) | If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.) | N/A | N/A | |
| Appendix B (g) (8) (H) (ii) | The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site. | § 5.2.2.1, p. 5.2-12 to 5.2-18 Appendix K-2 | Yes | |
| Appendix B (g) (8) (I) | An evaluation of the project's direct and cumulative air quality impacts, consisting of the following: | ---- | ---- | |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

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Project: Rio Linda/Elverta Power Project
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Technical Staff: Matt Layton
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|------------------------------|--|---|--------------------|---|
| Appendix B (g) (8) (I) (i) | A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM ₁₀) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO _x), sulfur dioxide (SO ₂), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM ₁₀)] from construction-related equipment; | § 5.2.4.1 § 5.2.4.1, p. 5.2-41 to 5.2-48 Section 5.2.4, p Appendix K | Yes | |
| Appendix B (g) (8) (I) (ii) | A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO _x , SO ₂ , CO and PM ₁₀) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and | § 5.2.4.2 § 5.2.4.3, p. 5.2-41 to 5.2-48 Appendix K | Yes | |
| Appendix B (g) (8) (I) (iii) | A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard. | § 5.2.4.6, p. 5.2-65 | Yes | |
| Appendix B (g) (8) (J) | If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information: | ---- | ---- | |
| Appendix B (g) (8) (J) (i) | The quantity of offsets needed; | § 5.2.5, p. 5.2-66 | Yes | |

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Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-01

Technical Staff: Matt Layton
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| Appendix B (g) (8) (J) (ii) | Potential offset sources, including location, and quantity of emission reductions; and | § 5.2 Appendix K Feb. 2, 2001 ERC info (Confidential Cover) | Yes | |
| Appendix B (g) (8) (J) (iii) | Method of emission reduction. | § 5.2 Appendix K Feb. 2, 2001 ERC info (Confidential Cover) | Yes | |
| Appendix B (g) (8) (K) | A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site. | Figure 5.2.3, P. 5.2-13 <u>§ 5.2.2</u> | No Yes | Provide a topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site |
| Appendix B (h) (1) (A) | Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; | Table 5.2-38, p. 5.2-68 Table 6.1-1, p. 5 to 7 | Yes | |
| Appendix B (h) (1) (B) | Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities. | Table 5.2-38, p. 5.2-68 Table 6.1-1, p. 5 to 7 | Yes | |
| Appendix B (h) (2) | A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A). | Table 5.2-38, p. 5.2-68 Table 6.1-1, p. 5 to 7 | Yes | |
| Appendix B (h) (3) | The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency. | Table 5.2-39, p. 5.2-70 | Yes | |
| Appendix B (h) (4) | A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits. | § 5.2. Table 5.2-38, p. 5.2-68 | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 10 Date February 26, 2001 ~~April 6, 2001~~

Technical Area: Biological Resources
Project Manager: Lance Shaw

Project: Rio Linda/Elverta Power Project
Docket: 01-AFC-1

Technical Staff: Rick York
Technical Senior: Dr. Jim Brownell

| SITING REGULATIONS | INFORMATION | AFC PAGE NUMBER AND SECTION NUMBER | ADEQUATE YES OR NO | INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS |
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| Appendix B (g) (1) | ...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation. | Existing site conditions: Sec. 5.3.1, pg. 5.3.1 Project impacts: Sec. 5.3.3, pgs. 5.3-14 to 5.3-29 & Sec. 5.3.4, pgs. 5.3-30 to 5.3-36, and DA Supplement pgs. 5.6 Mitigation measures: Sec. 5.3.5, pg. 5.3-36 Monitoring plans: Sec. 5.3.5, pgs. 5.3-36 to 5.3-38 | Yes No <u>Yes</u> Yes Yes | Please provide an analysis of the sensitive biological resources associated with the proposed water supply pipeline route(s). |
| Appendix B (g) (13) (A) | A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project. | Regional overview: Sec. 5.3.1, pg. 5.3.1 Sensitive species map(s), 1:100,000 scale: Figure 5.3-1, and DA Supplement Figure 1. | Yes No <u>Yes</u> | Please provide an updated map that identifies the water supply pipeline route(s) and associated sensitive biological resources. |
| Appendix B (g) (13) (B) | A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, den or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources. | 1:6,000 scale map(s): Appendix J-6, and DA Supplement Figure 1. List of species seen and likely to occur: Sec. 5.5.3, pgs. 5.3-14 to 5.3-29 | No <u>Yes</u> Yes | Please provide updated maps that identify the water supply pipeline route(s) and associated sensitive biological resources. |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 10 Date February 26, 2001

Technical Area: Biological Resources
Project Manager: Lance Shaw

Project: Rio Linda/Elverta Power Project
Docket: 01-AFC-1

Technical Staff: Rick York
Technical Senior: Dr. Jim Brownell

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|-------------------------------|--|---|------------------------------|--|
| Appendix B (g) (13) (C) | A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Native Species Field Survey Forms", and "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies. | Studies and surveys: Appendix J-1 and Sec. 5.3.2, pgs 5.3.3 to 5.3.13 CNDDDB field forms: Appendices J-3 & J-5 Names and qualifications of those completing studies: Appendix J-2 | Yes Yes Yes | Applicant completing field surveys during March/April 2001 field season. |
| Appendix B (g) (13) (D) | A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water. | Impacts: Sec. 5.3.4, pgs. 5.3-30 to 5.3-36, and DA Supplement pgs. 5, 6. Cooling tower drift: Sec. 5.3.4.3, pgs. 5.3-35, 36 | No Yes Yes | Please provide an analysis of the anticipated biological resource impacts associated with construction of water supply pipelines. |
| Appendix B (g) (13) (E) | A discussion of the following: | -- | -- | -- |
| Appendix B (g) (13) (E) (i) | All measures proposed to avoid and/or reduce any adverse impacts; | Mitigation measures: Sec. 5.3.5, pgs. 5.3-36 to 5.3-38 | Yes | |
| Appendix B (g) (13) (E) (ii) | All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and | Mitigation measures including off-site compensation: Sec. 5.3.5, pgs. 5.3-36 to 5.3-38 | Yes | |
| Appendix B (g) (13) (E) (iii) | Any educational programs proposed to enhance employee awareness in order to protect biological resources. | Employee awareness training: Sec. 5.3.5, pgs. 5.3-36 | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 10 Date February 26, 2001 ~~April 6, 2001~~

Technical Area: Biological Resources
Project Manager: Lance Shaw

Project: Rio Linda/Elverta Power Project
Docket: 01-AFC-1

Technical Staff: Rick York
Technical Senior: Dr. Jim Brownell

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| Appendix B (g) (13) (F) | A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project. | Mitigation monitoring and compliance program: Sec. 5.3.5, pgs. 5.3-36 to 5.3-38 | Yes | |
| Appendix B (g) (13) (G) | A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project. | Native fish & wildlife of commercial and/or recreational value: Sec. 5.3.3.3, pgs. 5.3-27 to 5.3-30 | Yes | |
| Appendix B (g) (13) (H) | For purposes of this section, sensitive biological resources are one of the following: | -- | -- | -- |
| Appendix B (g) (13) (H) (i) | Species listed under state or federal Endangered Species Acts; | State/federally listed species: Sec. 5.3.2.4, pgs. 5.3-5 to 5.3-14 | Yes | |
| Appendix B (g) (13) (H) (ii) | Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations; and | Title 20 resources: Sec. 5.3.2.4, pgs. 5.3-5 to 5.3-14 | Yes | |
| Appendix B (g) (13) (H) (iii) | Species or habitats identified by legislative acts as requiring protection. | Listed species: Sec. 5.3.2.4, pgs. 5.3-5 to 5.3-14 and Sec. 5.3.3.2, pgs. 5.3-20 to 5.3-27 | Yes | |
| Appendix B (h) (1) (A) | Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; | LORS table: Table 6.1-1, pgs. 7 & 8, Sec. 5.3.8, pgs. 5.3-39 to 5.3-41 | Yes | |
| Appendix B (h) (1) (B) | Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities. | Agency permits: Table 6.1-1, pgs. 7 & 8, Table 5.3-13, pg. 5.3-41, Sec. 5.3.8, pg. 5.3-39 to 5.3-41, and Table 5.3-14, pg. 5.3-41 | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 10 Date February 26, 2001

Technical Area: Biological Resources

Project: Rio Linda/Elverta Power Project

Technical Staff: Rick York

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Dr. Jim Brownell

| SITING REGULATIONS | INFORMATION | AFC PAGE NUMBER AND SECTION NUMBER | ADEQUATE YES OR NO | INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS |
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| Appendix B (h) (2) | A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A). | LORS compliance discussion: Table 6.1-1, pgs. 7 & 8 | Yes | |
| Appendix B (h) (3) | The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency. | Agency contacts: Table 5.3-13, pg. 5.3-41 | Yes | |
| Appendix B (h) (4) | A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits. | Permits schedule: Table 5.3-13, pg. 5.3-41 | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 1 Date April 2, 2001

Technical Area: Socioeconomics

Project: Rio Linda/Elverta Power Project

Technical Staff: Jim Adams

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Dale Edwards

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|---|--|--|-------------------------------|---|
| <u>Appendix B (g) (1)</u> | <u>...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.</u> | <u>Section 5.8</u> | <u>Yes</u> | |
| <u>Appendix B (g) (7) (A)</u> | <u>A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:</u> | <u>See below</u> | | |
| <u>Appendix B (g) (7) (A) (i)</u> | <u>The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;</u> | <u>Section 5.8.1.1 Supplemental Filing, Appendix A, Pg. 22</u> | <u>No Yes</u> | <u>Please provide a list of the applicable local agencies in Sacramento County with taxing powers and their most recent and projected revenues.</u> |
| <u>Appendix B (g) (7) (A) (ii)</u> | <u>The social characteristics, including population and demographic and community trends;</u> | <u>Sections 5.8.1.2; 5.8.3 Table 5.8-3</u> | <u>Yes</u> | |
| <u>Appendix B (g) (7) (A) (iii)</u> | <u>Existing and projected unemployment rates;</u> | <u>Section 5.8.1.1</u> | <u>Yes</u> | |
| <u>Appendix B (g) (7) (A) (iv)</u> | <u>Availability of skilled workers by craft required for construction and operation of the project;</u> | <u>Not Given Supplemental filing, Appendix A, Pg. 11</u> | <u>No Yes</u> | <u>Please provide a table indicating the availability of skilled labor by craft in the Sacramento region.</u> |
| <u>Appendix B (g) (7) (A) (v)</u> | <u>Availability of temporary and permanent housing; and</u> | <u>Section 5.8.1.3</u> | <u>Yes</u> | |

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 1 Date April 2, 2001

Technical Area: Socioeconomics

Project: Rio Linda/Elverta Power Project

Technical Staff: Jim Adams

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Dale Edwards

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|------------------------------|---|---|---------------------------|--|
| Appendix B (g) (7) (A) (vi) | Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule. | Section 5.8.1.4 | Yes | |
| Appendix B (g) (7) (B) | A discussion of the socioeconomic impacts caused by the construction and operation of the project, including: | See below | | |
| Appendix B (g) (7) (B) (i) | The number of workers to be employed each month by craft during construction and operation; | Table 3.7-1 Figure 3.7-2 | Yes | |
| Appendix B (g) (7) (B) (ii) | An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project; | Section 5.8.2.1 | Yes | |
| Appendix B (g) (7) (B) (iii) | An estimate of the potential population increase caused directly and indirectly by the project; | Section 5.8.2.1 | Yes | |
| Appendix B (g) (7) (B) (iv) | The potential impact of population increase on housing during the construction and operations phases; | Sections 5.8.2.1; 5.8.2.2 | Yes | |
| Appendix B (g) (7) (B) (v) | The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases; | Sections 5.8.2.1; 5.8.2.2 | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

Revision No. 1 Date April 2, 2001

Technical Area: **Socioeconomics**

Project: Rio Linda/Elverta Power Project

Technical Staff: Jim Adams

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Dale Edwards

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|-------------------------------|--|---|---------------------------|--|
| Appendix B (g) (7) (B) (vi) | An estimate of applicable school impact fees; | Not Given Supplemental Filing, Appendix A, Pg. 11 | No Yes | Please provide an estimate of the applicable school impact fees. |
| Appendix B (g) (7) (B) (vii) | An estimate of the total construction payroll and an estimate of the total operation payroll; | Sections 5.8.2.1; 5.8.2.2 | Yes | |
| Appendix B (g) (7) (B) (viii) | An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and | Section 5.8.2.2 Supplemental Filing, Appendix A, Pg. 11 | No Yes | Page 5.8-9 of the AFC states, "The sales tax to be paid by RLEPP on estimated local purchases of approximately \$0.5 million per year would be distributed as shown in Table 5.8-2." The AFC does not give an estimate of the expenditures for locally purchased materials for construction and operation phases of the project; please provide. |
| Appendix B (g) (7) (B) (ix) | An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project. | Section 5.8.2.2 Tables 5.8-1; 5.8-2 | Yes | |
| Appendix B (h) (1) (A) | Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; | Sections 5.8.7 through 5.8.9. | Yes | |
| Appendix B (h) (1) (B) | Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities. | Not Applicable | | |
| Appendix B (h) (2) | A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A). | Not Applicable | | |
| Appendix B (h) (3) | The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency. | Table 5.8-4 | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: **Socioeconomics**
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET
 Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

Revision No. 1 Date April 2, 2001
 Technical Staff: Jim Adams
 Technical Senior: Dale Edwards

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|-------------------------------|--|---|-------------------------------|--|
| Appendix (h) (4) | A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits. | Not Applicable | | |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 4/10/01

Technical Area: **Geological Hazards**

Project: Rio Linda/Elverta Power Project

Technical Staff: Robert Anderson

Project Manager: Lance Shaw

Docket: 01-AFC-01

Technical Senior: Steve Baker

| SITING REGULATIONS | INFORMATION | AFC PAGE NUMBER AND SECTION NUMBER | ADEQUATE YES OR NO | INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS |
|-------------------------|--|--|--------------------|--|
| Appendix B (g) (1) | ...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation. | Pages 5.5-7 through 5.5-9 Sections 5.5.1.5 through 5.5.1.7 Pages 5.5-9 and 10, Section 5.5.2 through 5.5.5 | Yes | |
| Appendix B (g) (17) (A) | A summary of the geology, seismicity, and geologic resources of the project site and related facilities; | Pages 5.5-1 through 5.5-9, Sections 5.5.1 through 5.5.1.7 | Yes | |
| Appendix B (g) (17) (B) | A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures. | Figure 5.5-1, Page 5.5-2 Table 5.5-1, Page 5.5-3 Pages 5.5-4 through 5.5-9, Section 5.5.1.2 through 5.5.1.7 | Yes | |
| Appendix B (g) (17) (C) | A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources. | Figure 5.5-1, Page 5.5-2 Supplemental info in Data Adequacy Worksheet filed by applicant 26 March, 2001. | No Yes | Please provide a description of the techniques used to determine the lack of geological resources in the vicinity of the project. |
| Appendix B (h) (1) (A) | Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; | Table 6.1-1 Page 5.5-9 through 5.5-10, Sections 5.5.2.1 through 5.5.3 Appendix A Pages A-5 through A-9, Section 3.3.2 through 3.3.7 | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 4/10/01

Technical Area: **Geological Hazards**

Project: Rio Linda/Elverta Power Project

Technical Staff: Robert Anderson

Project Manager: Lance Shaw

Docket: 01-AFC-01

Technical Senior: Steve Baker

| SITING REGULATIONS | INFORMATION | AFC PAGE NUMBER AND SECTION NUMBER | ADEQUATE YES OR NO | INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS |
|------------------------|--|--|--------------------|---|
| Appendix B (h) (1) (B) | Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities. | Table 5.5-3 Table 5.5-4 Table 6.1-1 | Yes | |
| Appendix B (h) (2) | A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A). | Pages 5.5-9 and 5.5-10, Section 5.5.3 Table 6.1-1 | Yes | |
| Appendix B (h) (3) | The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency. | Table 5.5-3 | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: **Noise**
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 4/10/01
 Technical Staff: Steve Baker
 Technical Senior: Steve Baker

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

| SITING REGULATIONS | INFORMATION | AFC PAGE NUMBER AND SECTION NUMBER | ADEQUATE YES OR NO | INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS |
|------------------------|--|---|----------------------|--|
| Appendix B (g) (1) | ...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation. | §§ 1.4, 1.7, 1.8.9, 3.4.3.1, 3.4.3.4, 3.7.1; Chapter 5.9; Table 6.1-1 | Yes | |
| Appendix B (g) (4) (A) | A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels. | Figure 5.9-1 | Yes | |
| Appendix B (g) (4) (B) | A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in L _{eq} (equivalent sound or noise level), L _{dn} (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L ₁₀ , L ₅₀ , and L ₉₀ values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported. | §§ 5.9.1, 5.9.1.1, 5.9.1.2 <u>Supplemental info filed by Applicant 26 March, 2001</u> <u>Noise Data Adequacy Worksheet.</u> | No Yes | Provide a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the ambient noise level measurements. |
| Appendix B (g) (4) (C) | A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted. | §§ 5.9.2.1, 5.9.2.2 | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 4/10/01

Technical Area: Noise

Project: Rio Linda/Elverta Power Project

Technical Staff: Steve Baker

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Steve Baker

| SITING REGULATIONS | INFORMATION | AFC PAGE NUMBER AND SECTION NUMBER | ADEQUATE YES OR NO | INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS |
|------------------------|--|--|--------------------|---|
| Appendix B (g) (4) (D) | An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project. | § 5.9.2-1; Table 5.9-3; § 5.9.2.2; Tables 5.9-4, 5.9-5, 5.9-6 | Yes | |
| Appendix B (g) (4) (E) | An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels. | §§ 1.7, 5.9.2.1; Table 5.9-2; §§ 5.9.6.1, 5.9.6.2 | Yes | |
| Appendix B (g) (4) (F) | The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines. | § 4.2.2; Table 5.9-5 | Yes | |
| Appendix B (h) (1) (A) | Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; | § 5.9.6; Table 6.1-1 | Yes | |
| Appendix B (h) (1) (B) | Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities. | Tables 5.9-7, 6.1-1 | Yes | |
| Appendix B (h) (2) | A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A). | §§ 1.8.9, 3.4.3.1, 5.9.2.1, 5.9.2.2; Table 5.9-6; §§ 5.9.6.1, 5.9.6.2, 5.9.6.4 | Yes | |

| | | | | | |
|------------------|---|--------------------------------|--|-----------------------|---------------------|
| Adequacy Issue: | Adequate <input checked="" type="checkbox"/> Inadequate <input checked="" type="checkbox"/> | DATA ADEQUACY WORKSHEET | | Revision No. <u>1</u> | Date <u>4/10/01</u> |
| Technical Area: | <u>Noise</u> | Project: | <u>Rio Linda/Elverta Power Project</u> | Technical Staff: | <u>Steve Baker</u> |
| Project Manager: | <u>Lance Shaw</u> | Docket: | <u>01-AFC-1</u> | Technical Senior: | <u>Steve Baker</u> |

| SITING REGULATIONS | INFORMATION | AFC PAGE NUMBER AND SECTION NUMBER | ADEQUATE YES OR NO | INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS |
|-----------------------|--|---------------------------------------|-----------------------|--|
| Appendix B (h) (3) | The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency. | § 5.9.7; Table 6.1-1 | Yes | |
| Appendix B (h) (4) | A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits. | § 5.9.8; Table 6.1-1 | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: **Paleontological Resources**
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-01

Revision No. 1 Date 4/10/01
 Technical Staff: Robert Anderson
 Technical Senior: Steve Baker

| SITING REGULATIONS | INFORMATION | AFC PAGE NUMBER AND SECTION NUMBER | ADEQUATE YES OR NO | INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS |
|-------------------------|---|--|--------------------|---|
| Appendix B (g) (1) | ...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation. | Pages 5.17-1 through 4, Sections 5.17.1 through 5.17.5 | Yes | |
| Appendix B (g) (16) (A) | Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area. | Page 5.5-1, Section 5.5.1.1 Page 5.17-1, Section 5.17.1 | Yes | |
| Appendix B (g) (16) (B) | A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project. | Page 5.17-2, Section 5.17.1 | Yes | |
| Appendix B (g) (16) (C) | A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys. | Pages 5.17-1 through 5.17-1, Sections 5.17 through 5.17.1 | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 4/10/01

Technical Area: **Paleontological Resources**

Project: Rio Linda/Elverta Power Project

Technical Staff: Robert Anderson

Project Manager: Lance Shaw

Docket: 01-AFC-01

Technical Senior: Steve Baker

| SITING REGULATIONS | INFORMATION | AFC PAGE NUMBER AND SECTION NUMBER | ADEQUATE YES OR NO | INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS |
|-------------------------|--|--|-----------------------------|--|
| Appendix B (g) (16) (D) | Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq. | Page 5.17-3, Section 5.17.2.1 <u>Supplemental info filed by applicant on 26 March, 2001, Response to Data Adequacy Comment #24.</u> | No <u>Yes</u> | Please provide a project specific geologic map (the project paleontological resources location map) at a scale of 1:24000 showing the location of known paleontological resources within one mile of the project site and 100 feet of the center line of the utility corridors. If no paleontological resources are known within the above area, then state so on a copy of the project geologic map. The map is to be submitted to the CEC under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq. |
| Appendix B (g) (16) (E) | A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources. | Page 5.17-3, Section 5.17.3.1 | Yes | |
| Appendix B (h) (1) (A) | Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; | Page 5.16-19 Section 5.16.6.1 and Section 5.16.6.4 Table 6.1-1, Page 13 | Yes | |
| Appendix B (h) (1) (B) | Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities. | Not Applicable (N/A) | N/A | |

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: **Paleontological Resources**
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 4/10/01
 Technical Staff: Robert Anderson
 Technical Senior: Steve Baker

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-01

| SITING REGULATIONS | INFORMATION | AFC PAGE NUMBER AND SECTION NUMBER | ADEQUATE YES OR NO | INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS |
|--------------------|--|------------------------------------|--------------------|---|
| Appendix B (h) (2) | A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A). | Table 6.1-1, Page 13 | Yes | |
| Appendix B (h) (3) | The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency. | N/A | N/A | |
| Appendix B (h) (4) | A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits. | N/A | N/A | |

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: **Reliability**
 Project Manager: **Lance Shaw**

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 4/10/01
 Technical Staff: Steve Baker
 Technical Senior: Steve Baker

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

| SITING REGULATIONS | INFORMATION | AFC PAGE NUMBER AND SECTION NUMBER | ADEQUATE YES OR NO | INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS |
|------------------------------|---|--|--------------------|---|
| Appendix B (g) (1) | ...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation. | §§ 1.1, 1.3, 1.5.2, 1.5.4, 1.5.5, 1.5.6, 1.5.7, 1.6, 2.1, 2.2, 3.1, 3.3, 3.4.2, 3.4.3.1, 3.4.3.2, 3.4.3.4, 3.4.4.3, 3.4.4.5, 3.4.5, 3.4.9.2, 3.4.11.3, 3.4.11.6, 3.4.11.7, 3.7.2, 3.8, 3.9.2, 4.1, 4.1.1, 4.3.1, 4.3.2, 4.3.3, 4.3.4, 4.3.5, 4.4.1.1, 4.4.1.2; Appendices F, M | Yes | |
| Appendix B (i) (3) (A) | A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities. | §§ 1.1, 1.5.2, 1.5.5, 3.1, 3.4.5, 4.3.3 | Yes | |
| Appendix B (i) (3) (B) | A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of: | — | — | |
| Appendix B (i) (3) (B) (i) | Expected annual and lifetime capacity factors; | §§ 1.6, 3.4.2, 3.8, 4.3.2 | Yes | |
| Appendix B (i) (3) (B) (ii) | The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system; | §§ 3.4.2, 3.4.3.1, 3.4.3.2, 3.4.3.4, 3.10.6.1.3, 3.10.6.3, 3.10.6.4, 3.10.6.5, 3.10.6.6 | Yes | |
| Appendix B (i) (3) (B) (iii) | Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability; | §§ 1.5.2, 1.5.6, 1.7, 1.8.5, 3.1, 3.3, 4.1, 4.1.1, 4.3.4; Appendices A, B, G | Yes | |
| Appendix B (i) (3) (B) (iv) | Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and | §§ 1.1, 3.4.3, 3.4.11.3, 4.3.2, 4.3.5, 4.4.1.2; Appendix F | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 4/10/01

Technical Area: **Reliability**

Project: Rio Linda/Elverta Power Project

Technical Staff: Steve Baker

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Steve Baker

| SITING REGULATIONS | INFORMATION | AFC PAGE NUMBER AND SECTION NUMBER | ADEQUATE YES OR NO | INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS |
|----------------------------|--|--|-----------------------------|---|
| Appendix B (i) (3) (B) (v) | The expected power plant maturation period. | Not found <u>Supplemental info in Data Adequacy Worksheets filed by Applicant 26 March, 2001.</u> | No <u>Yes</u> | Describe the period required for the newly constructed power plant to mature into a reliable facility. |
| Appendix B (h) (1) (A) | Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; | Table 6.1-1 | Yes | |
| Appendix B (h) (1) (B) | Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities. | N/A | N/A | |
| Appendix B (h) (2) | A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A). | N/A | N/A | |
| Appendix B (h) (3) | The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency. | N/A | N/A | |
| Appendix B (h) (4) | A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits. | N/A | N/A | |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 1 March 2001
6 April, 2001

Technical Area: **Project Overview**

Project: Rio Linda/Elverta Power Project (RLEPP)

Technical Staff: Lance Shaw

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Paul Richins

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|---|--|---|---------------------------|--|
| Cal. Code Regs., tit. 20, § 1704, (a) (3) (A) | Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document. | Entire AFC Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001, Comments #52, pp 32 to 37. | No Yes | Please supply wells and linear facilities' assumptions required to meet water supply needs. |
| Cal. Code Regs., tit. 20, § 1704, (a) (3) (B) | Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and | Entire AFC | Yes | |
| Cal. Code Regs., tit. 20, § 1704, (a) (3) (C) | A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference | Entire AFC | Yes | |
| Cal. Code Regs., tit. 20, § 1704, (a) (4) | Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation. | Entire AFC | Yes | |
| Appendix B (a) (1) (A) | A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics. | Section 3 | Yes | |
| Appendix B (a) (1) (B) | Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers. | Entire AFC Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001, Comments #52, pp 32 to 37. | No Yes | Please supply wells and linear facilities' assumptions required to meet water supply needs. |
| Appendix B (a) (1) (C) | A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings. | Entire AFC | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 1 March 2001
6 April, 2001

Technical Area: **Project Overview**

Project: Rio Linda/Elverta Power Project (RLEPP)

Technical Staff: Lance Shaw

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Paul Richins

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|---------------------------|---|--|---------------------------|--|
| Appendix B (a) (1) (D) | A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction. | Sections 3 and 5.10 | Yes | |
| Appendix B (a) (1) (E) | In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities. | Appendix N, e-mailed supplemental list, not yet filed as an AFC supplement. Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001, Comment # 27, pp 15 to 21. | No Yes | Please provide list of additional current assessor's parcel numbers, owners' names and addresses associated with linear facilities not yet identified (new wells, and associated piping). |
| Appendix B (a) (2) | Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities. | Sections 1 and 3. | Yes | |
| Appendix B (a) (3) (A) | A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities. | | N/A | |
| Appendix B (a) (3) (B) | A list of all owners and operators of the proposed electric transmission facilities. | Entire AFC | Yes | |
| Appendix B (a) (3) (C) | A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B). | Entire AFC | Yes | |
| Appendix B (b) (1) (A) | Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities; | Entire AFC Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001, Comments #52, pp 32 to 37. | No Yes | Please define all water supply wells and linear facilities required for this project. |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 1 March 2001
6 April, 2001

Technical Area: **Project Overview**

Project: Rio Linda/Elverta Power Project (RLEPP)

Technical Staff: Lance Shaw

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Paul Richins

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|-----------------------------------|--|---|-------------------------------|---|
| <u>Appendix B (b) (1) (B)</u> | <u>Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;</u> | <u>Entire AFC</u> <u>Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001, Comments #52, pp 32 to 37.</u> | <u>No</u> <u>Yes</u> | <u>Please define all water supply wells and linear facilities required for this project.</u> |
| <u>Appendix B (b) (1) (C)</u> | <u>A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and</u> | <u>Entire AFC</u> | <u>Yes</u> | |
| <u>Appendix B (b) (2) (A)</u> | <u>Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).</u> | <u>Entire AFC</u> <u>Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001, Comments #52, pp 32 to 37.</u> | <u>No</u> <u>Yes</u> | <u>Please supply wells and linear facilities' assumptions required to meet water supply needs.</u> |
| <u>Appendix B (b) (2) (B)</u> | <u>A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.</u> | <u>Entire AFC</u> <u>Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001, Comment # 31, pp 21 to 22.</u> | <u>No</u> <u>Yes</u> | <u>Please provide a full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to and after construction. This includes the 800 foot lines near the plant and the Hedge-Proctor line to be reconductored.</u> |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 1 Date 1 March 2001
6 April, 2001

Technical Area: **Project Overview**
Project Manager: Lance Shaw

Project: Rio Linda/Elverta Power Project (RLEPP)
Docket: 01-AFC-1

Technical Staff: Lance Shaw
Technical Senior: Paul Richins

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|---------------------------|---|---|---------------------------|--|
| <u>Appendix B (c)</u> | In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5. | | N/A | Not Applicable |
| <u>Appendix B (d) (1)</u> | A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis. | | N/A | |
| <u>Appendix B (d) (2)</u> | Updates of any significant information which has changed since the Commission's Final Decision on the NOI. | | N/A | |
| <u>Appendix B (e) (1)</u> | A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations. | Section 3.9 | Yes | |

Adequacy Issue: Adequate x Inadequate x

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 2/20/01

Technical Area: Soils

Project: Rio Linda/Elverta Power Project

Technical Staff: Lorraine White

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Dick Anderson

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|-------------------------------|---|---|---------------------------|---|
| Appendix B (g) (1) | ...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation. | Figure 3.5-2 Section 3.5.8, p. 3-42 Section 5.6, p. 5.6-1 to 5.6.16 | Yes | |
| Appendix B (g) (15) (A) | A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include: | Figure 5.6-1, Figure 5.7-3 Table 5.6-1 Section 5.6.1, p. 5.6-1 to 5.6-8 | Yes | |
| Appendix B (g) (15) (A) (i) | The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and | Table 5.6-1 Section 5.6.1.3, p. 5.6-2 to 5.6-8 | Yes | |
| Appendix B (g) (15) (A) (ii) | An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system. | Section 3.5.7 Section 5.5.3 Section 5.6.1.3 Section 5.6.2.2 Table 5.5-1 | Yes | |
| Appendix B (g) (15) (C) | An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include: | Section 5.6.1.2 Section 5.6.2.1 Section 5.7.2 | | |
| Appendix B (g) (15) (C) (i) | The quantification of accelerated soil loss due to wind and water erosion; | Section 5.6.2.1 Table 5.6-2 Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001. Specifically Data Adequacy Worksheet Comments #37. | NoYes | Please provide information on the amount of cut and fill required, if imported soils are required, what the source of the soil will be, and what is to be done with soils unsuitable for use in compaction at the site. |
| Appendix B (g) (15) (C) (iii) | The effect of power plant emissions on surrounding soil-vegetation systems. | Section 5.2.4.5, p. 5.2-64 & 65; Table 5.2-35 Section 5.3.4.3, p. 5.3-35 & 36 | Yes | |

Adequacy Issue: Adequate x Inadequate x

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 2/20/01

Technical Area: Soils

Project: Rio Linda/Elverta Power Project

Technical Staff: Lorraine White

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Dick Anderson

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|-----------------------------------|---|--|-------------------------------|--|
| <u>Appendix B (h) (1) (A)</u> | <u>Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;</u> | <u>Table 6.1-1, p. 8 to 9</u> | <u>Yes</u> | |
| <u>Appendix B (h) (1) (B)</u> | <u>Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.</u> | <u>Table 6.1-1, p. 8 to 9 Table 5.6-3, p. 5.6-15</u> | <u>Yes</u> | |
| <u>Appendix B (h) (2)</u> | <u>A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).</u> | <u>Section 5.6.6, p. 5.6-13 to 5.6-15</u> | <u>Yes</u> | |
| <u>Appendix B (h) (3)</u> | <u>The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.</u> | <u>Table 5.6-3</u> | <u>Yes</u> | |
| <u>Appendix B (h) (4)</u> | <u>A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.</u> | <u>Table 5.6-4</u> | <u>Yes</u> | |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 02/20/0104/03/01

Technical Area: **Traffic and Transportation**

Project: Rio Linda/Elverta Power Project

Technical Staff: James Fore

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Eileen Allen

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|---|--|--|-------------------------------|--|
| <u>Appendix B (g) (1)</u> | <u>...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.</u> | <u>Sections 3.2 and 3.3 pages 3-1 through 3.4 Sections 5.11.1, 5.11.2, 5.11.3 and 5.11.4 pages 5.11-41 through 5.11-17</u> | <u>Yes</u> | |
| <u>Appendix B (g) (5) (A)</u> | <u>A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.</u> | <u>Section 5.11.1.1 pages 5.11-1 through 5.11-3 Response to Data Adequacy Comment #38, page 23</u> | <u>YesNo</u> | <u>Provide a regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities</u> |
| <u>Appendix B (g) (5) (B)</u> | <u>An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:</u> | <u>Section 5.11.1.1 pages 5.11-1 through 5.11-7 Response to Data Adequacy Comments #39, page 24</u> | <u>NoYes</u> | <u>Provide a map scale 1:24,000 of rail lines in the project area affected by or serving the proposed facility.</u> |
| <u>Appendix B (g) (5) (B) (i)</u> | <u>Road classification and design capacity;</u> | <u>Table 5.11-3 page 5.11-10</u> | <u>Yes</u> | |
| <u>Appendix B (g) (5) (B) (ii)</u> | <u>Current daily average and peak traffic counts;</u> | <u>Table 5.11-3 page 5.11-10</u> | <u>Yes</u> | |
| <u>Appendix B (g) (5) (B) (iii)</u> | <u>Current and projected levels of service before project development, during construction, and during project operation;</u> | <u>Section 5.11.2.1 Pages 5.11-11 through 5.11-5.11-14 Table 5.11-5</u> | <u>Yes</u> | |
| <u>Appendix B (g) (5) (B) (iv)</u> | <u>Weight and load limitations;</u> | <u>Section 5.11.2.1 pages 5.11-11 through 5.11-14 Responses to Data Adequacy Comment #40 page 13</u> | <u>NoYes</u> | <u>Indicate weight and load limits for routes identified in Section 5.11.2.1</u> |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 02/20/0104/03/01

Technical Area: **Traffic and Transportation**

Project: Rio Linda/Elverta Power Project

Technical Staff: James Fore

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Eileen Allen

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|----------------------------------|--|--|----------------------------------|--|
| Appendix B (g) (5) (B) (v) | Estimated percentage of current traffic flows for passenger vehicles and trucks; and | Section 5.11.2.1 pages 5.11-11 through 5.11-14 Responses to Data Adequacy Comment #41, page 25 | NoYes | Estimated percentage of current traffic flows for passenger vehicles and trucks; |
| Appendix B (g) (5) (B) (vi) | An identification of any road features affecting public safety. | Section 5.11.2.1 pages 5.11-11 and 5.11-12 Responses to Data Adequacy comment #42 | NoYes | Identify any road features affecting public safety along the routes described in Sections 5.11.1.1 and 5.11.2.1. If no features affecting public exist please indicate. |
| Appendix B (g) (5) (C) | A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000. | Section 3.5.5, page 3.41 Sections 5.11.1.1 through 5.11.1.4, pages 5.11-1 through 5.11-4 Responses to Data Adequacy Comment #43, page 25 | NoYes | Describe any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000. Please indicate if any of the regional transportation agencies plan any road improvements. |
| Appendix B (g) (5) (D) | An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C). | Section 5.11.2.1 and 5.11.2.2 pages 5.11-11 through 5.11-16 Responses to Data Adequacy Comment #41 | No Yes | Please give the total traffic/truck mix for the roadways impacted by the facility. |
| Appendix B (g) (5) (E) | A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport. | Section 5.13.2.3 pages 5.13-5 through 5.13-7 Responses to Data Adequacy Comment #45 | NoYes | Estimate the number of trips for the hazardous material to be transported to and from the facility during construction and operation, the routes to be used for transporting this material, and any transportation hazards associated with such transport or routes. |
| Appendix B (h) (1) (A) | Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; | Sections 6.1, Table 6.1-1 pages 10 and 11 | Yes | |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 02/20/0104/03/01

Technical Area: **Traffic and Transportation**

Project: Rio Linda/Elverta Power Project

Technical Staff: James Fore

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Eileen Allen

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
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| <u>Appendix B (h) (1) (B)</u> | <u>Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.</u> | <u>Section 6.1, Table 6.1-1 pages 10 and 11</u> | <u>Yes</u> | |
| <u>Appendix B (h) (2)</u> | <u>A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).</u> | <u>Sections 5.12.1 and 5.12.2 page 5.12-1 Table 5.11-8 page 5.11-19 Section 5.11.6 pages 5.11-17 through 5.11-19</u> | <u>Yes</u> | |
| <u>Appendix B (h) (3)</u> | <u>The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.</u> | <u>Section 5.11.7 Page 5.11-18 through 5.11-19 Table 5.11-7</u> | <u>Yes</u> | |
| <u>Appendix B (h) (4)</u> | <u>A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.</u> | <u>Section 5.11.8 Table 5.11-8 Page 5.11-19 and 5.11-20</u> | <u>Yes</u> | |

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Transmission System Eng.
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Revision No. 1 Date April 6, 2001
 Technical Staff: S.F.Ghadiri
 Technical Senior: A.A. McCuen

Project: Rio Linda / Elverta Power project
 Docket: 01AFC1

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
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| <u>Appendix B (i) (2) (A)</u> | <u>A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.</u> | <u>Section 3.6, p 3-42 Appendix I, p 3</u> | <u>yes</u> | |
| <u>Appendix B (i) (2) (B)</u> | <u>A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.</u> | | <u>N.A.</u> | |
| <u>Appendix B (b) (2) (C)</u> | <u>A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and</u> | <u>Section 3.6, p 3-42 to 3-56 Section 3.7.3, p 3-56 Table 3.7.4, p 3-66 Appendix I Response to CEC Staff's List of Data inadequacies and Supplemental information dated March 23, 2001</u> | <u>No Yes</u> | <u>1) Provide a Power Flow Diagram for each contingency that had a criteria violation.</u> |
| <u>Appendix B (b) (2) (D)</u> | <u>A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.</u> | <u>Section 3.10.3, p 3-71 Section 3.6, p 3-42 to 3-56 Appendix I</u> | <u>Yes</u> | |

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Transmission System Eng.
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET
 Project: Rio Linda / Elverta Power project
 Docket: 01AFC1

Revision No. 1 Date April 6, 2001
 Technical Staff: S.F.Ghadiri
 Technical Senior: A.A. McCuen

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|------------------------------------|--|--|-------------------------------|--|
| <u>Appendix B (g) (18) (A)</u> | The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project. | Section 3.6.3.1, p 3-49 Section 3.6.3.2, p 3-49 Section 3.6.3.2.1, p 3-49 Section 3.6.3.4, p 3-56 Appendix I | Yes | |
| <u>Appendix B (g) (18) (B)</u> | An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project. | | | |
| <u>Appendix B (g) (18) (C)</u> | Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels. | | See Obed | |
| <u>Appendix B (h) (1) (A)</u> | Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; | | See Obed | |
| <u>Appendix B (h) (1) (B)</u> | Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities. | | See Obed | |

Adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Transmission System Eng.
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Revision No. 1 Date April 6, 2001
 Technical Staff: S.F.Ghadiri
 Technical Senior: A.A. McCuen

Project: Rio Linda / Elverta Power project
 Docket: 01AFC1

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|-------------------------------|---|---|-------------------------------|--|
| <u>Appendix B (h) (2)</u> | <u>A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).</u> | | <u>See Obed</u> | |
| <u>Appendix B (h) (3)</u> | <u>The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.</u> | | <u>See Obed</u> | |
| <u>Appendix B (h) (4)</u> | <u>A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.</u> | | <u>See Obed</u> | |

Adequacy Issue: Adequate X Inadequate X
 Technical Area: Visual Resources
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Revision No. 01 Date April 3, 2001
 Technical Staff: Eric Knight
 Technical Senior: Dale Edwards

Project: Rio Linda/Elverta Power Project
 Docket: 01-AFC-1

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|-------------------------------|---|---|-------------------------------|--|
| Appendix B (g) (1) | ...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation. | Page 5.10-2; Section 5.10.1.2.1 Pages 5.10-14 – 5.10-20; Section 5.10.2 Page 5.10-21; Section 5.10.5 Page 5.10-20; Section 5.10.4 Page 1-9; Section 1.8.10 Data Adequacy Worksheets Pages 16-17 Appendix A, Pages 29-30 | NOYES | The Visual Resources Section of the AFC states that because the project's interconnection line is short (only 800 feet in length), no new transmission towers will be required between the project switchyard and Elverta-Hurley 230kV line (page 5.10-14). However, according to Section 3.0 of the AFC (pages 3-45 and 3-66), the interconnection line will require 6 transmission towers 120-150 feet tall. Please discuss the visual impacts of these new towers. The Visual Resources Section of the AFC does not discuss the visual effects of the proposed 20.1-mile long gas pipeline due to ground disturbance. Please discuss the visual effects of ground disturbance from construction of the gas pipeline. The Visual Resources Section of the AFC does not discuss the potential visual impacts of the proposed reconductor/rebuild of SMUD's Hedge-Proctor 230kV transmission line which will be required as a result of the project's electrical generation. According to the AFC (page 3-66), approximately 45 new single shaft steel double circuit poles will be required. Please discuss the visual impacts due to the construction and operation of the reconducted/rebuilt Hedge-Proctor line. |
| Appendix B (g) (6) (A) | Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include: | Page 5.10-1; Section 5.10.1 | YES | |
| Appendix B (g) (6) (A) (i) | Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E); | Figure 5.10-1 KOP 7 Location Map (Response to Data Adequacy Comment #31, Project Overview) | YES | |

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date April 3, 2001

Technical Area: Visual Resources

Project: Rio Linda/Elverta Power Project

Technical Staff: Eric Knight

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Dale Edwards

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|------------------------------|--|--|---------------------------|--|
| Appendix B (g) (6) (A) (ii) | Elevations of any existing structures on the site; and | Pages 5.10-1 – 5.10-2; Sections 5.10.1.1 – 5.10.1.2.1 | YES | |
| Appendix B (g) (6) (A) (iii) | The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities. | Pages 5.10-1 – 5.10-4; Sections 5.10.1.1 and 5.10.1.3 | YES | |
| Appendix B (g) (6) (B) | An assessment of the visual quality of those areas that will be impacted by the proposed project. | Pages 5.10-5 – 5.10-9; Sections 5.10.1.4.1 – 5.10.1.4.6 | YES | |
| Appendix B (g) (6) (C) | After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river. | Pages 5.10-5 – 5.10-9; Sections 5.10.1.4.1 – 5.10.1.4.6 Attachment A, Pages 30-31 Data Adequacy Worksheets Page 18 | NOYES | Please provide the estimated number of recreationists using the equestrian center on Sorrento Road. Please provide the estimated number of residences that would have views of the project from the view areas represented by KOPs 5 and 6. |
| Appendix B (g) (6) (D) | A description of the dimensions, color, and material of each major visible component of the project. | Table 5.10-2 Page 5.10-12; Section 5.10.2.3.1 | YES | |
| Appendix B (g) (6) (E) | Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project. | Figures 5.10-2a – 5.10-7b; Revised Figures 5.10-2a – 5.10-3b; KOP 7 Existing View and Simulation of Hedge-Proctor T-Line Rebuild (Response to Data Adequacy Comment #31, Project Overview) | YES | |
| Appendix B (g) (6) (F) | An assessment of the visual impacts of the project, including light and glare, and visible plumes. | Pages 5.10-16 – 5.10-17; Sections 5.10.2.4.7 – 5.10.2.4.8 Pages 5.10-17 – 5.10-20; Section 5.10.3 | YES | |

Adequacy Issue: Adequate X Inadequate X

DATA ADEQUACY WORKSHEET

Revision No. 01 Date April 3, 2001

Technical Area: Visual Resources

Project: Rio Linda/Elverta Power Project

Technical Staff: Eric Knight

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Dale Edwards

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
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| <u>Appendix B (h) (1) (A)</u> | <u>Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;</u> | <u>Table 6.1-1; Section 6.5.10</u> | <u>YES</u> | |
| <u>Appendix B (h) (1) (B)</u> | <u>Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.</u> | <u>Tables 5.10.3 and 6.1-1</u> | <u>YES</u> | |
| <u>Appendix B (h) (2)</u> | <u>A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).</u> | <u>Pages 5.10-21 – 5.10-22; Section 5.10.6.2</u> | <u>YES</u> | |
| <u>Appendix B (h) (3)</u> | <u>The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.</u> | <u>Table 5.10-3</u> | <u>YES</u> | |
| <u>Appendix B (h) (4)</u> | <u>A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.</u> | | <u>N/A</u> | |

Adequacy Issue: Adequate ☒ Inadequate ☒
 Technical Area: **Water Resources**
 Project Manager: Lance Shaw

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 2/9/01 3/29/01

Project: RLEPP
 Docket: 01-AFC-1

Technical Staff: Lorraine White
 Technical Senior: Dick Anderson

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|-------------------------------|---|---|-------------------------------|--|
| Appendix B (g) (1) | ...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation. | <p>Section 3.0, p. 3-1 to 3-83 Figures 3.2-2; 3.3-1; 3.4-7; 3.5-1; 3.5-2</p> <p>Section 5.4, p. 5.4-1 to 5.4-13</p> <p>Section 5.13.2.2, p. 5.13-4</p> <p>Section 6.0, Table 6.1-1</p> <p>Appendices G, M, and J</p> <p>Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001. Specifically Comments #52 to #56, pages 32 to 39 and Including Figures 52-1 to 52-8.</p> | NOYes | <p>The applicant indicates that new wells and new distribution lines will be needed to serve this project. The district confirms that the applicant will be responsible for four wells and the associated distribution structures. Please provide information on the location of these new wells and the distribution line need to serve RLEPP. Include in this information all construction details and aquifer information (ie., depth of the wells, capacity, screening intervals, the aquifer these wells will draw from, transmissivity, anticipated drawdown, etc.), neighboring wells that may be affected and mitigation proposed to address any potential impacts associated with the development of this infrastructure. Please include in the assessment, private individual wells (referred to on pg. 5.4-4).</p> <p>Please provide a discussion of the use of the deeper aquifer groundwater as an alternative to the use of the shallow aquifer groundwater for cooling purposes. Describe how the current water supply proposal complies with the State Water Resources Control Board's Policy 75-58.</p> <p>Please provide a discussion that addresses other potential development in the area that, when considered in combination with the RLEPP proposal, may result in cumulative impacts to surface and groundwater resources.</p> <p>Please specify what monitoring actions, if any, may be employed by the applicant to ensure success of proposed mitigation measures.</p> <p>Please refer to additional discussions below and submit specified information.</p> |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

Revision No. 01 Date 2/9/01 3/29/01

Technical Area: **Water Resources**

Project: RLEPP

Technical Staff: Lorraine White

Project Manager: Lance Shaw

Docket: 01-AFC-1

Technical Senior: Dick Anderson

| <u>SITING REGULATIONS</u> | <u>INFORMATION</u> | <u>AFC PAGE NUMBER AND SECTION NUMBER</u> | <u>ADEQUATE YES OR NO</u> | <u>INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS</u> |
|------------------------------|--|---|---------------------------|---|
| Appendix B (g) (14) (A) | All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for: | | – | See Below. |
| Appendix B (g) (14) (A) (i) | Waste Discharge Requirements; and | | N/A | Applicant will employ a zero liquid discharge system. |
| Appendix B (g) (14) (A) (ii) | a National Pollutant Discharge Elimination System Permit. | Section 3.5.7, p. 3-42 Figures 3.5-1 & 3.5-2 Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001. Data Adequacy Worksheet Response #57, page 20. | NO Yes | Please describe the drainage area to be accommodated by the detention facilities and the design capacities. Include in this discussion the acreage to be paved and unpaved and the calculations used. |
| Appendix B (g) (14) (B) | A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project: | | – | See Below |
| Appendix B (g) (14) (B) (i) | Ground water bodies and related geologic structures; | Section 5.4.1.3, p. 5.4-2 to 5.4-8 Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001. Comment #52, Figure 52-6 and 52-3; Comment #3, Figure 1; pages 33 to 37. | NO Yes | Please provide hydrostratigraphic (map) information at specified scale that clearly identifies the aquifers in the area of the project (upper and lower). Include in this information an identification of relative location of the needed wells in relation to the project site, and a depiction of the existing cones of depressions as discussed starting on page 5.4-2. |
| Appendix B (g) (14) (B) (ii) | Surface water bodies; and | Section 5.4.1.2, p. 5.4-1 & 5.4-2 Figure 3.2-2 Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001. Comment #59 and related map; Comment #64 and related map. | NO Yes | Please provide a map that clearly shows the described surface water bodies in relationship to the plant site (Figure 3.2-2 scale is too large). Please clearly locate the artificial livestock pond on the map requested in comments on Appendix B (g) (14) (D) regarding pre-construction drainage patterns. |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

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|-------------------------------|---|---|---------------------------|--|
| Appendix B (g) (14) (B) (iii) | Water inundation zones, such as the 100-year flood plain and tsunami run-up zones. | | See Geology | |
| Appendix B (g) (14) (C) | A description of the water to be used and discharged by the project. This information shall include: | | – | See Below |
| Appendix B (g) (14) (C) (i) | Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible; | Section 3.4.6, p. 3-25 to 3-28 Section 3.10.5, p. 3-76 & 3-77; Section 3.10.6.6 Section 5.4.1.3, p. 5.4-2 to 5.4-8 | Yes | |
| Appendix B (g) (14) (C) (ii) | The physical and chemical characteristics of the source and discharge water; | Table 3.4-11, p. 3-28 | Yes | |
| Appendix B (g) (14) (C) (iii) | Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and | Section 3.4.6.1, p. 3-25 Figure 3.4-7 Tables 3.4-9 & 3.4-10 Section 5.4.2.1, p. 5.4-8 Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001. Data Adequacy Worksheet Response #61, page 21; Comment #51, page 32. | NOYes | Please provide estimates of the maximum annual water demand and waste discharge (only average annual estimates were provided). |
| Appendix B (g) (14) (C) (iv) | A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram. | Section 3.4.6, p. 3-29 to 3-31 Section 3.5.4 & 3.5.6, p. 3-41 Table 3.4-10 Figure 3.4-7 Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001. Comment #52; Comment #3, Figure 1; Comment #63, pages 40 to 45. | NOYes | Please provide information on the location of the required new wells and the distribution line for water supplies to RLEPP. Include in this all construction and design information including depth, capacity and screening intervals of the wells, and dimensions/capacity of the pipeline(s). Please provide a complete description of the zero liquid discharge system to be used at HBGS including all equipment, processes and treatments. Include in this information the expected water quality of the effluent directed to the zero discharge system. |

Adequacy Issue: Adequate ☒ Inadequate ☒

DATA ADEQUACY WORKSHEET

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|------------------------------|---|--|---------------------------|--|
| Appendix B (g) (14) (D) | A description of pre-, and post-construction runoff and drainage patterns, including: | P. 3-32 Figure 3.5-1 & 3.5-2 Section 5.4.1.2, p. 5.4-1 Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001. Comment #64, page 46 and pre-construction run-off map. | NOYes | Please provide a description and map of pre-construction runoff and drainage patterns. Include in this information the artificial livestock pond. |
| Appendix B (g) (14) (D) (i) | Precipitation and storm runoff patterns; and | Section 5.4.1.1, p. 5.4-1 Table 5.2-7, p. 5.2-18 | Yes | |
| Appendix B (g) (14) (D) (ii) | Drainage facilities and design criteria. | Section 3.5.7, p. 3-42 Section 5.4.2.2, p. 5.4-9 & 5.4-10 Figures 3.5-1 & 3.5-2 Appendix A, Section 3.3.6 Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001. See Data Adequacy Worksheet, Response #57, page 20. | NOYes | Please describe the drainage area to be accommodated by the detention facilities and the design capacities. Include in this discussion the acreage to be paved and un-paved and the calculations used for both construction and operation of the facility. |
| Appendix B (g) (14) (E) | An assessment of the effects of the proposed project on water resources. This discussion shall include: | | | |
| Appendix B (g) (14) (E) (i) | The effects of project demand on the water supply and other users of this source; | Section 5.4.2.1, p. 5.4-8 & 5.4-9 Response to Energy Commission Staff's List of Data Inadequacies, March 23, 2001. Comment #52, page 36. | NOYes | Please provide a discussion of potential impacts to neighboring wells within 1.0 mile (including private wells) of the new wells that will be needed to serve the project and how these impacts were assessed. |
| Appendix B (g) (14) (E) (ii) | The effects of construction activities and plant operation on water quality; and | Section 5.4.2., p. 5.4-8 to 5.4.-10 | Yes | |
| Appendix B (g) (14) (iii) | The effects of the project on the 100-year flood plain or other water inundation zones. | | See Geology | |

Adequacy Issue: Adequate ☒ Inadequate ☒

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| <u>Appendix B (h) (1) (A)</u> | Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed; | <u>Table 5.4-5 & 5.4-6, p. 5.4-13</u> <u>Table 6.1-1, p. 8</u> | <u>Yes</u> | |
| <u>Appendix B (h) (1) (B)</u> | Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities. | <u>Table 5.4-6, p. 5.4-13</u> <u>Table 6.1-1, p. 8</u> | <u>Yes</u> | |
| <u>Appendix B (h) (2)</u> | A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A). | <u>Table 6.1-1, p. 8</u> | <u>Yes</u> | |
| <u>Appendix B (h) (3)</u> | The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency. | <u>Table 5.4-5, p. 5.4-13</u> | <u>Yes</u> | |
| <u>Appendix B (h) (4)</u> | A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits. | <u>Section 5.4.8, p. 5.4-13</u> <u>Table 5.4-6</u> | <u>Yes</u> | |